



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

US EPA RECORDS CENTER REGION 5



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186 D-6
MEMORANDUM

DATE: March 17, 1986

TO: Division File

MAR 21 1986

FROM: Mitch Levin^{ML} - LPC/FOS/Maywood
IEPA-DLPCSUBJECT: 0312850002 - Cook County - Schiller Park/Refinery Products
Superfund/Technical Report

John Mathes Co. took soil samples at the Refinery Products site 3/12 through 3/14. Analysis of these samples will indicate the extent of contamination and tell how much soil needs to be excavated at the site clean-up scheduled for later this spring.

A summary of the work accomplished at the site follows:

3/11/86

Eddy Lin and I met Craig Maxeimer and Kevin Hielman of John Mathes Co. at the site at 3:00 p.m. We discussed the site safety plan and work plan. The contractor set up equipment on site and staked out locations where samples would be taken. We all left the site at 4:30 p.m.

3/12/86

Eddy Lin met the contractor at the site at 7:30 a.m. I arrived at the site at 8:00 a.m. The contractor, wearing Level C protection, began using a backhoe at sample points 9 and 10 (see attached site sketch for reference to sample locations). Holes dug by the backhoe immediately filled with water, probably due to the high water table. The contractor decided to use a Shelby tube to take split-spoon samples to a depth of 4 feet at 1 foot intervals. The sampled soil looked oily at a depth of 4 feet. The maximum HNu readings for holes 9 and 10 were 5 ppm. Holes 9 and 10 were sampled before noon.

In the afternoon, John Mathes used the backhoe to dig holes to a depth of 2 feet, except at holes 3 and 6, where they hit pipes and a concrete cover for what appears to be an underground storage tank. The contractor dug to a depth of 1 foot at these locations. These samples were taken with a spoon and spatula. The top layer (0-1 foot) had a watery consistency, again due to the high water table. This will cause problems when the soil is excavated. We detected 60 ppm organics in hole 5 and 30 ppm organics in hole 1 with the HNu meter. The contractor finished sampling by 4:30 p.m. I left at that time and they secured the site.

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3/13/86

I met the contractor at the site at 7:30 a.m. After decontaminating equipment, the contractor began digging a 9 foot hole at sample point 14 in the acid pit area. Craig was lowered into the hole with the clam shell, and took samples at 3 foot intervals with a spoon and spatula. He detected 30 ppm organics with the HNu meter below 3 feet in hole 14. Craig pointed out grass at the 5 foot depth, indicating that the material above that point is probably fill.

In the afternoon, the contractor began sampling at point 11. Cheryl Floyd of OCS was on-site from 1 p.m. to 3 p.m. to observe compliance with the site safety plan. This area was submerged in 2 feet of water. The contractor used a Shelby tube and a hammer to take samples down to two feet at points 11, 12, and 13. The last sample was taken in the parking area at 3 p.m. with a Shelby tube. This area should be a clean zone, but the samples taken here looked no cleaner than those taken within the property. The contractor and I left the site at 4:30 p.m.

3/14/86

I met the contractor at the site at 7:30 a.m. They spent the morning decontaminating and putting away equipment. We sealed the samples and filled out chain-of-custody forms between 12 p.m. and 1 p.m.. I secured the site and left at this time. Craig and Kevin headed toward Aqualab to deliver the samples.

ML:pgb:2075P

cc: Northern Region
HSCS-Spfld.

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APPENDIX

Sample Summary

<u>Hole</u>	<u>Sample Interval</u>	<u>No. Samples</u>	<u>Time Sampled</u>	<u>Max. HNu (ppm)</u>
10	1 foot	4	10:30 (3/12)	5
9	1 foot	4	11:30	3
4	1 foot	2	3:00	10
5	1 foot	2	3:15	60
6	1 foot	1	3:45	5
3	1 foot	1	4:00	15
1	1 foot	2	4:30	30
14	3 feet	3	10:30 (3/13)	30
11	1 foot	2	1:30	--
12	1 foot	2	2:00	--
13	1 foot	2	2:30	--
2	1 foot	2	3:00	--

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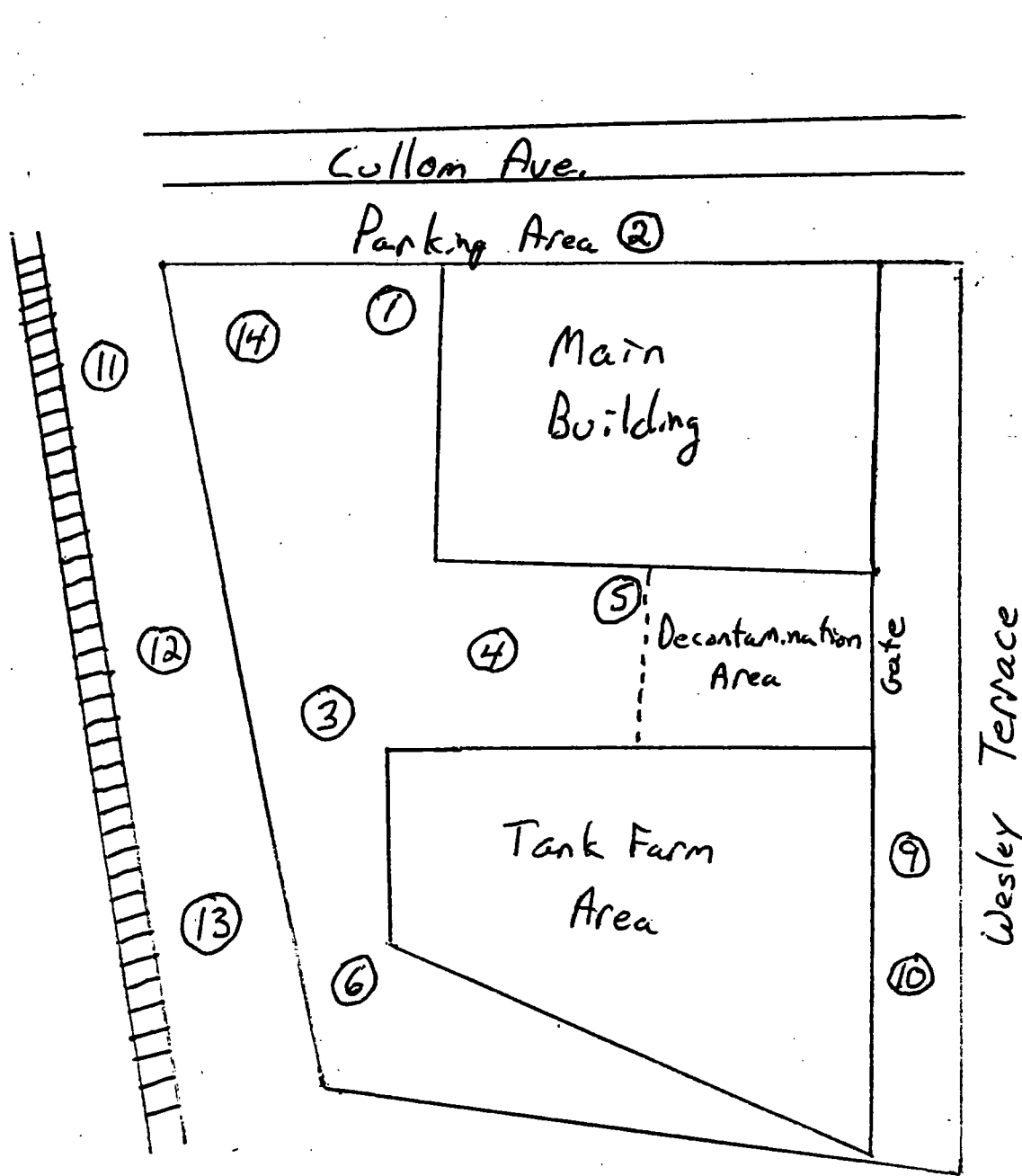
- LPC 1312850002

DATE: 3/17/86

Sch 11a

Refinery Plants

TIME:



(x) Sample Locations

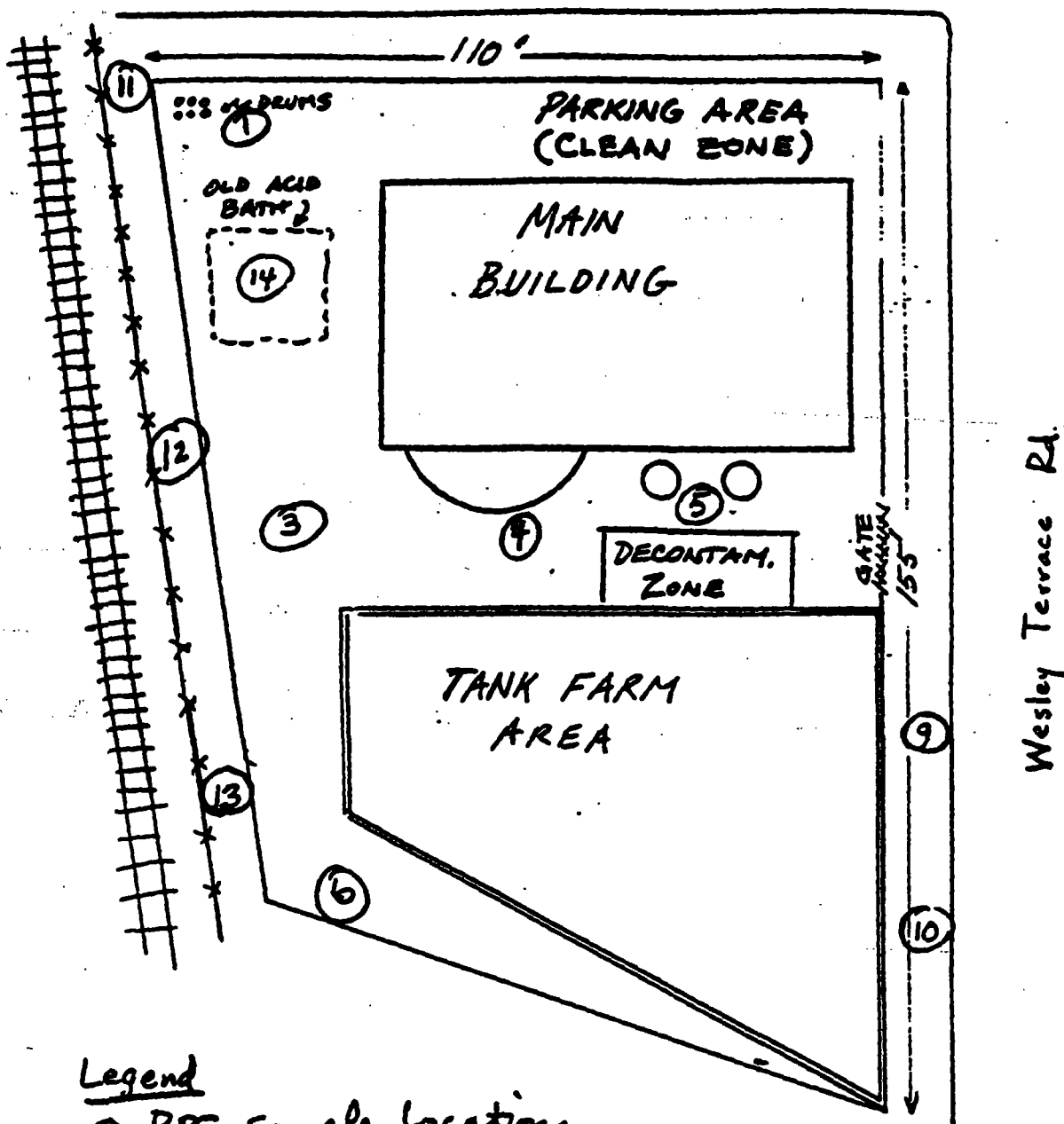
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Refinery Products Site Schiller Park, IL.

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